

CLAIMS

1st. – Precision dendrometer, of the type based on the use of extension measurement bands as resistances for a Wheatstone Bridge type circuit, that
5 said dendrometer consists of a sensor holder that serves as a part for securing the dendrometer to a plant, the electronic interface that connects it to the data collector equipment and a sensor; **characterised** in that said sensor is formed by a cylindrical body (13) of aluminium to which one end of an aluminium sheet (10) on which the extension measurement bands are mounted, is fixed; the
10 other end of the aluminium band (10) being in contact with the plant (18), determining, by means of the pressure exerted by this latter, its dimensional variations.

2.- Precision dendrometer, according to the previous claim, characterised in
15 that the end of the aluminium sheet (10) in contact with the plant has a double bend with convergent side edges, forming an approximately triangular angular and rounded end (11).

3.- Precision dendrometer, according to claim 1, **characterised** in that the
20 sensor holder (15) has a part with a cylindrical cavity where the cylindrical body (13) of the sensor is housed and held, a number of rods (16) acting as feet being connected with said part of the sensor holder (15), to which a part (17), for adjusting and securing to the plant (8) in which the dendrometer is installed, is linked.

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4.- Precision dendrometer, according to claim 3, **characterised** in that the rods (16) are fabricated from material that has zero coefficient of expansion, to allow the constant variation microns of the plant (18) to be measured.

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